



ATTORNEY DOCKET NO: 70139

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant : DREYER et al.  
Serial No : 09/878,259  
Confirm. No. : 2978  
Filed : June 11, 2001  
For : INFRARED OPTICAL...  
Art Unit : 2878  
Examiner : Shun K. Lee  
Dated : November 20, 2003

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

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INFORMATION DISCLOSURE STATEMENT

Attached please find Form PTO-1449 together with the references as cited by the German Patent and Trademark Office.

- DE 198 26 470 discloses a cuvette for absorption of radiation in liquid samples. No full translation is available at this time. However attached is an English language abstract. Further, Applicant wishes to bring to the attention of the Examiner the corresponding U.S. Patent No. 6,249,345. A copy of this U.S. Patent is attached.

- DE 36 33 916 discloses a method of selectively measuring the concentration of those gaseous and/or liquid substances in gases and/or liquids which absorb radiation ranging from IR to UV, and device for carrying out the method. No full translation is available at this time. However attached is an English language abstract.

- EP 1 167 949 discloses an isotopomer absorption spectral analyzer and its method for

measuring isotope ratio. No full translation is available at this time. However attached is an English language abstract.

- DE 40 12 454 discloses a process and device for measuring isotope ratios. No full translation is available at this time. However attached is an English language abstract. Applicant wishes to bring to the attention of the Examiner the corresponding U.S. Patent No. 5,146,294. A copy of the U.S. Patent is attached.

- DE 42 14 840 discloses an infrared absorption spectroscopy system or white cell for simultaneous analysis of constituents of fluid, provides wall of measurement cell with mirrors and interference filters behind which are located photodiode detectors. No full translation is available at this time. However attached is an English language abstract.

- DE 39 18 994 discloses a sensor arrangement for optically measuring gas components. No full translation is available at this time. However attached is an English language abstract. Applicant wishes to bring to the attention of the Examiner the corresponding U.S. Patent No. 5,092,342. A copy of the U.S. Patent is attached.

Consideration of the above references is respectfully requested.

Respectfully submitted  
for Applicant,

By: \_\_\_\_\_



Theobald Dengler  
Registration No. 34,575  
McGLEW AND TUTTLE, P.C.

TD:tf  
70139.12



Enclosed: PTO-1449 Form  
copies of (9) References

DATED: November 20, 2003  
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BY: *Joni Anna Forte* DATE: November 20, 2003



LIST OF REFERENCES CITED  
BY APPLICANT  
(Use several sheets if necessary)

Atty Docket No.: 70139  
Ser. No.: 09/878,259  
Applicant: DREYER et al.  
Filing Date: June 11, 2001  
Group: 2878

## U.S. PATENT DOCUMENTS

Ex- aminer Initial	Document No.	Date	Name	Class	Sub- class	Filing Date
	<u>6,249,345</u>	<u>June 19, 2001</u>	<u>Kraack et al.</u>			<u>June 14, 1999</u>
	<u>5,146,294</u>	<u>Sept. 8, 1992</u>	<u>Grisar et al.</u>			<u>April 1, 1991</u>
	<u>5,092,342</u>	<u>March 3, 1992</u>	<u>Hattendorff et al.</u>			<u>June 6, 1990</u>

## FOREIGN PATENT DOCUMENTS

Examiner Initial	Document No.	Date	Country	Sub- Class	class	Translation Yes/No
	<u>DE 198 26 470</u>	<u>Dec. 23, 1999</u>	<u>Germany</u>			<u>No</u>
	<u>DE 36 33 916</u>	<u>April 14, 1988</u>	<u>Germany</u>			<u>No</u>
	<u>EP 1 167 949</u>	<u>Jan. 2, 2002</u>	<u>Europe</u>			<u>No</u>
	<u>DE 40 12 454</u>	<u>Aug. 8, 1991</u>	<u>Germany</u>			<u>No</u>
	<u>DE 42 14 840</u>	<u>Nov. 11, 1993</u>	<u>Germany</u>			<u>No</u>
	<u>DE 39 18 994</u>	<u>June 13, 1990</u>	<u>Germany</u>			<u>No</u>

## OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, Etc.)

Examiner Initial	Author	Date	Title	Textbook in	Translation Yes/No

Shun K. Lee  
Examiner

Date Considered